

FIGURE 1

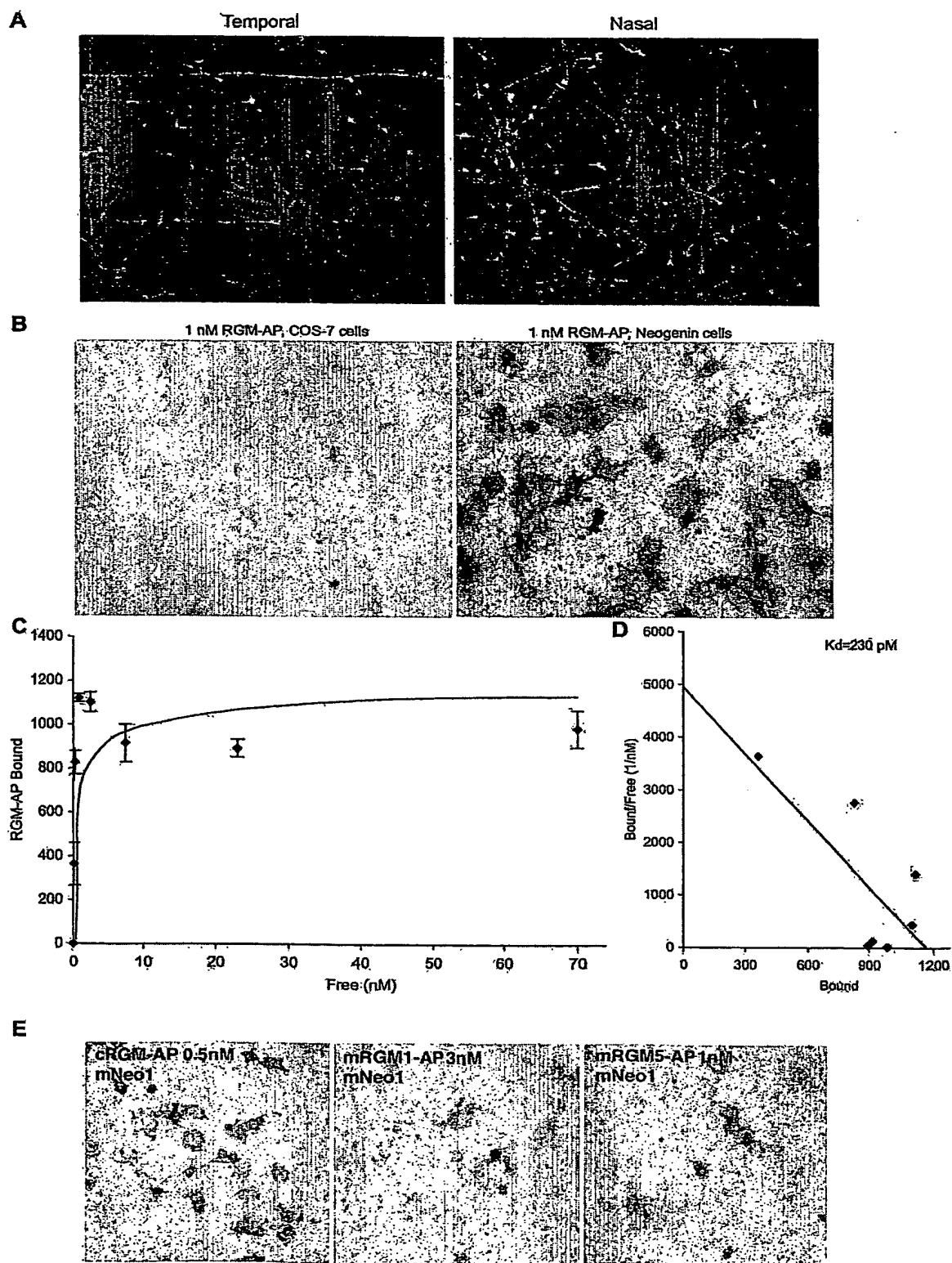


FIGURE 2

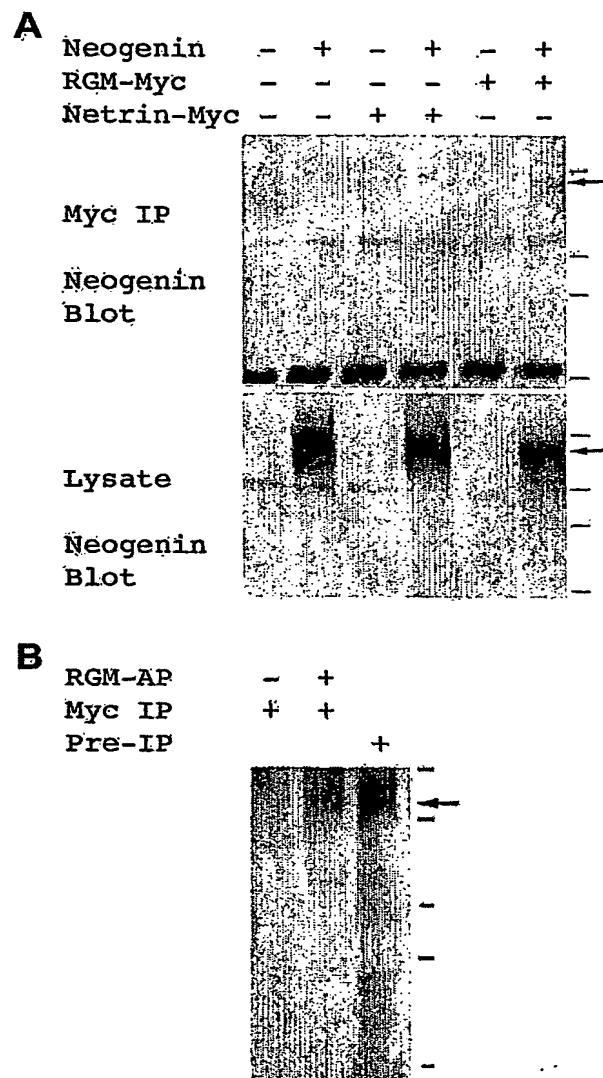


FIGURE 3

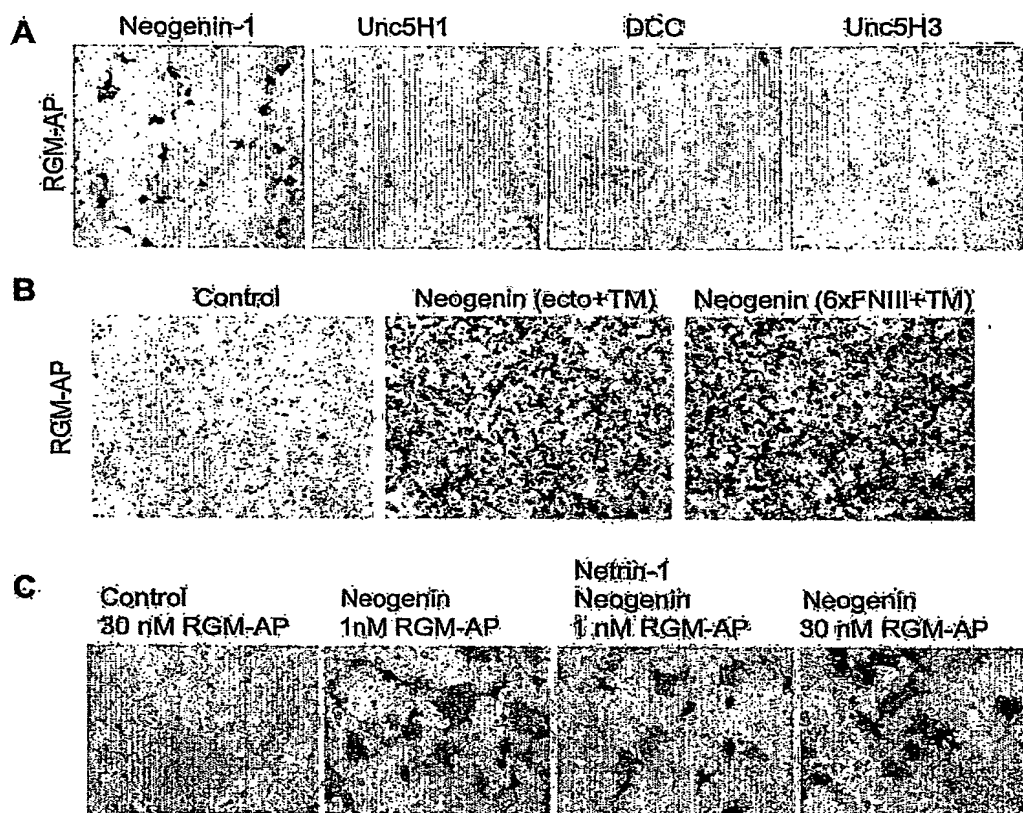


FIGURE 4

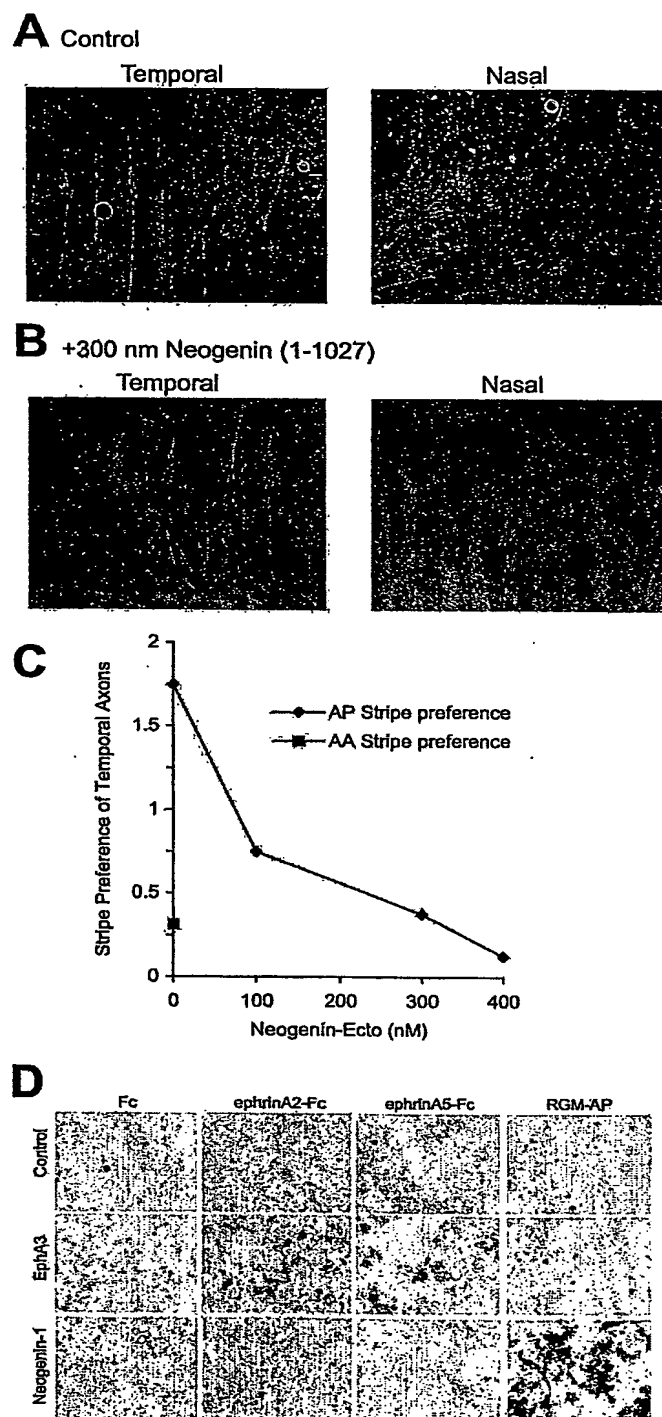


FIGURE 5

MAAEREAGRLLCTSSSRCCPPPPLLLLLPLLLLLLGRPASGAAA
TKSGSPQASAGASVRTFTPFYFLVEPVDTLVSRGSSVILNCSAYSESPNIEWKKDGT
FLNLESDDRRQLLPDGSFLISNVVHSHKNKPDEGFYQCVATVDNLGTIVSRTAKLTVA
GLPRFTSQPEPSSVYVGNSAILNCEVNADLVFPFVRWEQNRQPLLLDDRIVKLPSTLV
ISNATEGDGGLYRCIVESGGPPKFSDEAELKVLQDREEIVDLVFLMRPSSMMKVGTQR
AVLPCVVSGLPAPVVRWMKNEEVLDTESSGRLVLLAGGGLEISDVTEDDAGTYFCIAD
NGNKTVEAQAEITVQVPPGFLKQPANIYAHESMDIVFECEVTGKPTPTVKWVKNGDVV
IPSDYFKIVKEHNLQVLGLVKSDEGFYQCIAENDVGNAQAGAQLIILEHAPATTGGLP
SAPRDVVASLVSTRFIKLTWRTPASDPHGDNLTVSVFYTKEGVDRERVENTSQPGEMQ
VTIQNLMPATVYIFKVMQNKHSGSGESSAPLRVETQPEVQLPGPAPNIRAYATSPTS
ITVTWETPLSGNGEIQNYKLYYMEKGTDEQDIDVSSHSTINGLKKYTEYSFRVVAYN
KHGPGVSTQDVAVRTLSDVPSAAPQNLSEVRNSKSIHWHQPPSSTTQNGQITGYKI
RYRKASRKSDVTETLVGTQLSQLIEGLDRGTEYNFRVAALTVNGTGPATDWLSAETF
ESDLDETRVPEVPSSSLHVRPLVTSIVVSWTPPENQNIIVVRGYAIGYGIGSPHAQTIKV
DYKQRYTITENLDPSSHYVITLKAFFNNVGEIGIPLYESAIVTRPHTVDPPTMMPVGVQ
ASILSHDTIRITWADNSLPKHQKITDSRYTTRWKTNIIPANTKYKNANATTLSTLVGT
LKPNTLYEFVSMVTKGRSSTWSMTAHGATFELVPTSPPKDVTVVSKEGKPTIIVNW
QPPSEANGKITGYIIYYSTDVNAEIHWDVIEPVGNNRLTHQIQELTLDTPYYFKIQAR
NSKGMGPMSEAVQFRTPKALGSAGKGSRLPDLSGDKPPMSGNSPHGSPTSPLDSNM
LLVIVSVGVITIVVVVIAVFCTRRTTSHQKKKRAACKSVNGSHKYKGNCKDVKPPD
LWIIHERLELKPIDKSPDPNPVMTDTPIPRNSQDITPVDNSMDSNIHQRRNSYRGHES
EDSMSTLAGRRGMRPKMMMPFDSQPPQPVISAHPHSLDNPHHHFHSSSLASPARSHL
YHPSSPWPIGTSMSTDRANSTESVRNTPSTDTPASSSQTCTDHQDPEGATSSSYL
ASSQEEDSGQSLPTAHVRPSHPLKSFAPPAIPPPGPPLYDPALPSTPLLSQALNHHI
HSVKTASIGTLGRSRPPMPVVVPSAPEVQETTRMLEDSSESSYEPDELTKEMAHLEGLM
KDLNAITTA."

FIGURE 6A

```

1  GGGGGCCGCG CGGGCCGGGC CGGGCCGGGC TGGAGCCGAG CCCTGCGGCG CAGAGACCGG
61 CTGAGGCGCG CTGAGGGAAG GGC GCGAGCG CTCCGCGGCG CTATCGCCGC CGCCGC CGCC
121 GCCACTCGTG GGGTAGAGAT GGC GCGGCGAG CGCGAAGCCG GGC GACTCCT CTGCACCTCC
181 TCCCTCCCGG GCTGCTGTCC GCCACCGCCG CTGCTGCTGT TGCTGCCGCT GCTGCTGCTG
241 CTCGGACGCC CGGCGTCCGG CGCCGCGGCC ACGAAGAGCG GCTCCCCGCC GCAGTC CGCA
301 GGAGCCAGTG TTCGAACATT CACTCCGTTT TATTTTCTGG TGGAGCCAGT AGACACCCTC
361 TCAGTTAGAG GCTCTTCTGT TATATTAAT TGCTCGGCAT ATTCTGAGCC CTCTCCAAAC
421 ATTGAATGGA AGAAAGATGG GACTTTTAA AACTTAGAAT CAGATGATCG ACGCCAGCTA
481 CTCCAGATG GATCTTTATT CATCAGCAAC GTGGTGCATT CCAAACACAA TAAGCC TGAC
541 GAAGGTTTCT ATCAGTGTGT AGCCACTGTG GATAATCTTG GAACCATTGT CAGCAGAAC
601 GCCAAGCTCA CAGTAGCAGG TCTTCCAAGA TTTACCAGCC AACCAGAACC TTCTTCAGTC
661 TATGTTGGAA ACAGTGCAAT TCTGAATTGT GAAGTTAATG CAGATTTGGT CCCATT TGTT
721 AGGTGGGAAC AGAATCGACA GCCCCTTCTT CTAGATGACA GGATTGTCAA ACTTCCAAGT
781 GGAACACTGG TTATCAGCAA TGCTACTGAA GGAGATGGGG GACTCTACCG CTGCATTGTT
841 GAAAGTGGTG GGCCACCAAA GTTTAGTGAC GAAGCTGAAT TGAAAGTTCT TCAAGATCGT
901 GAGGAAATTG TAGACTTGGT ATTTCTGAT CGACCATCTT CTATGATGAA AGTCATGGT
961 CAGCGTGCAG TGTTGCCATG TGTTGTCTCA GGGCTTCC TGCCAGTCCT TAGATGATG
1021 AAAAACGAAG AAGTGCTTGA CACAGAAAGC TCTGGCAGGT TGGTCTTGCT AGCAGGAGGT
1081 GGCCTGGAGA TCAGTGATGT CACTGAGGAT GATGCTGGGA CTTATTTT TG CATAGCTGAT
1141 AATGGAAATA AGACAGTTGA AGCTCAGGCG GAGCTTACTG TGCAAGTGCC ACCTGGATTC
1201 TTGAAACAAC CTGCTAACAT ATATGCTCAC GAATCCATGG ACATTGTATT TGAATGTGAA
1261 GTCAC TGGGA AGCCAAC TCC AACTGTGAAG TGGGTCAAGA ATGGGGATGT GGTATCCCC
1321 AGTGATTACT TTAATTTGT AAAGGAACAT AATCTTCAAG TTTTGGGTCT GGTGAAATCA
1381 GATGAAGGGT TCTATCAATG CATTGCTGAG AATGATGTTG GAAATGCACA AGCTGGAGCC
1441 CAGCTGATAA TCCTTGAGCA TGCACCAGCC ACAACGGGAC CACTACCTTC AGCTCCTCGA
1501 GACGTCGTGG CCTCCCTGGT CTCTACTCGC TTCATTAAAT TGACATGGCG TACACCTGCA
1561 TCAGACCCTC ATGGAGACAA TCTCACCTAC TCTGTGTTCT ACACCAAGGA AGGGGTGAT
1621 AGGGAGCGTG TTGAGAATAC CAGCCAGCCA GGAGAGATGC AGGTGACTAT TCAAACTTG
1681 ATGCCAGCAA CTGTGTACAT CTTCAAAGTT ATGGCTCAA ATAAGCATGG CTCTGGAGAA
1741 AGTTCAGCTC CTCTTCGAGT AGAGACACAG CCTGAGGTTT AGCTCCCTGG CCCAGCACCT
1801 AATATCCGTG CTTATGCAAC GTCACCTACT TCTATCACTG TCACCTGGGA AACACCGTTA
1861 TCTGGCAATG GGGAAATTCA AAATTACAAA TTGTACTACA TGGAAAAAGG AACTGATAAA
1921 GAACAGGATA TTGATGTTTC AAGTCACTCC TACACCATTA ATGGACTGAA GAAATACACA
1981 GAATATAGTT TCCGAGTGGT GGCCTACAA ATACATGGTC CTGGAGTTTC TACACAAGAT
2041 GTTGCTGTTT GAACATTATC AGATGTTCCC AGTGCTGCTC CTCAGAATCT GTCCTTAGAA
2101 GTGAGAAATT CAAAGAGTAT AGTGATCCAC TGGCAGCCCC CTTCTCAAC CACACAAAAT
2161 GGGCAGATAA CTGGCTACAA GATTCGATAT CGAAAGGCCT CCCGAAAAG TGATGTACT
2221 GAGACCTTGG TAACTGGGAC ACAGCTGTCT CAGCTGATTG AAGGTCTTGA TCGGGGAGCA
2281 GAATATAACT TCCGAGTCGC TGCTCTCACA GTCAATGGTA CAGGTCCAGC AACTGATTGG
2341 CTGCTGCTG AAACTTTGA AAGCGACCTA GATGAACTC GTGTTCTGTA AGTGCCAGC
2401 TCTCTTCATG TCCGTCCGCT CGTCACTAGC ATTGTAGTGA GCTGGACTCC TCCAGAGAAC
2461 CAGAACATTG TGGTCCGAGG TTATGCCATG GGTACGGCA TTGGCAGCCC TCATGCCAG
2521 ACCATCAAAG TGGACTATAA ACAACGTTAT TACACCATTG AAAACTTGG TCCAAGCTCT
2581 CATTACGTGA TTACCTTGAA AGCATTTAAC AATGTTGGCG AAGGCATCCC CCTTTATGAG
2641 AGTGCTGTGA CCAGACCTCA CACAGTGCCA GATCCCACTC CCATGATGCC ACCAGTGGGA
2701 GTTCAGGCTT CCATTCTGAG TCACGACACC ATAAGGATTA CCTGGGAGCA CAACTCCCTG
2761 CCCAAACACC AGAAGATTAC AGACTCCCGC TACTACACAG TCCGGTGGAA GACCAACATC
2821 CCAGCAAACA CGAAGTACAA GAATGCAAAAT GCAACGACGT TAAGCTATTT GGTACTGGT
2881 TTAAAGCCAA ATACGCTCTA TGAGTTCTCT GTGATGGTGA CCAAAGGCAG AAGGTCAAGC
2941 ACGTGGAGTA TGACAGCTCA TGGCGCTACC TTTGAATTAG TTCCTACTTC TCCACCTAAG
3001 GATGTGACAG TTGTGAGTAA GGAAGGAAAA CCTAGAACA TCATAGTGA CTGGCAGCCT
3061 CCCTCTGAAG CTAACGGCAA GATTACAGGT TACATCATCT ATTACAGCAC GGATGTGAAT
3121 GCAGAGATAC ATGACTGGGT TATTGAACCA GTTGTGGGAA ACAGACTGAC TCACCAGATT
3181 CAAGAGTTAA CACTTGATAC GCCATACTAC TTCAAAATCC AGGCCCGGAA CTCAAGGGC
3241 ATGGGGCCCA TGTCTGAAGC TGTACAGTTC AGAACACCTA AAGCCTTAGG GTCAGCAGGA
3301 AAAGGAAGCC GACTACCAGA CCTGGGATCT GACTACAAAC CTCCAATGAG TGGCAGCAAC
3361 AGCCCTCACG GGAGCCCCAC CTCCCTCTG GACAGCAACA TGCTGCTGGT CATCATGTG
3421 TCTGTTGGCG TCATCACTAT CGTGGTGGTT GTGGTCATTG CTGTCTTTTG TACCCGCGC

```

FIGURE 6B

3481 ACCACCTCTC ACCAGAAAAA GAAACGAGCT GCGTGCAAAT CAGTGAATGG CTCCCATAAG
3541 TACAAGGGCA ATTGCAAAGA TGTGAAGCCT CCAGACCTAT GGATCCATCA CGAGAGACTA
3601 GAGTTGAAGC CTATTGACAA GTCTCCAGAT CCTAACCCTG TCATGACTGA TACTCCAATC
3661 CCTCGAAACT CTCAAGATAT CACACCAGTG GACAATTCCA TGGATAGCAA TATCCATCAA
3721 AGGCGGAATT CATACAGAGG GCATGAGTCA GAGGACAGCA TGTCTACACT GGCTGGAAGG
3781 AGGGGAATGA GACCAAAAAT GATGATGCCC TTTGACTCTC AGCCACCTCA GCCTGTGATT
3841 AGTGCCCATC CCATCCATT CCTCGATAAC CCTCACCATC ATTTCCACTC CAGCAGCCTC
3901 GCTTCTCCAG CCCGCAGTCA TCTCTACCAC CCAAGCAGCC CATGGCCCAT TGGCACATCC
3961 ATGTCCCTTT CAGACAGGGC CAATTCCACA GAATCTGTTC GAAATACCCC CAGCACGGAC
4021 ACCATGCCAG CGTCC'CTCGTC TCAGACGTGC TGCCTGACC ATCAGGACCC TGAGGGTGCT
4081 ACTAGCTCCT CTTACTTGGC CAGCTCCCAA GAGGAAGACT CAGGCCAGAG TCTTCCCACA
4141 GCCCATGTCC GCCCTTCCCA CCCTCTGAAG AGCTTCGCTG TGCCAGCAAT CCCACCCCA
4201 GGACCTCCTC TCTATGATCC TGCCTGCCA AGCACACCAT TACTGTCCCA GCAAGCTCTG
4261 AACCATCACA TTCACTCAGT GAAAACAGCC TCCATCGGGA CGTTAGGAAG GAGCCGGCCT
4321 CCTATGCCAG TGGTTGTTCC GAGTGCCCTT GAAGTACAGG AGACCACCAG GATGCTGGAA
4381 GACTCCGAGA GTAGCTATGA ACCAGATGAG CTGACCAAAG AGATGGCCCA CCTGGAAGGA
4441 CTAATGAAGG ACCTAAATGC CATACAACA GCCTGATGAC CTTGCTCTGG ACATGACTCC
4501 AAGCCTGAGT CTACAAGTCT CGGAACCTTAA CCTTGAAAAC AAGGAATTGT ACAGAGTACG
4561 AGAGGACAGC ACTTGAGAGC AGGAGCCAGC AAACCAGCCA GTGCCTCCAT GTGGGGTTGG
4621 CTCCAGGCAC AGCCACCTGC CTTCTCCTGG TCAGCCTGGA TTACACTTGT GTGGAGGCAG
4681 CTTCCCTTTG CCTGCTGAGA GCCTGCAGGA CTGGGCACTA TGGGCCAAAA TTTTGTGTCC
4741 AGGGAAGAGG CAAGAAGTAC GACCTGCCTT TTGCTTTGTG GTCAGTGGCT TGTGTCTTTG
4801 TGCTGCAACT GCATCACTTT TATGGAGTGT AGACATTGGC ATTTATGTAC AATTTTGTGT
4861 CCTATTTTAT TTTACCTTAA AACACTATCA GAAGCCAAGG GAGTCTGTGA TGTTCTCTCA
4921 AGCAGTTGAC ACTTGACTGT GGTTCAGTT ACTTACGGAA AGTCATCAAC AGTGAGGTTG
4981 TTTGACACCA CTGACAGGCA TTGGCTTGTG GTGGGTTTCA TTTTATTCT TAATTCTGAG
5041 ACATTGCATC CTCTGCCAGC TGTTAATCCA TCACCTTTGAG GGGAGGACAT GTTGCAATTGC
5101 TGTTTGTAAG CTTT'TTTTATT ATTTT'TTTAT TATAATTATT AAAGGCCTGA CTTTCTCCTC
5161 TCAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAA

//